Erratum

A superspace formulation of BRS/anti-BRS symmetric Yang-Mills effective action

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(1). The OSp invariant Lagrange density in (2.4) and (3.2) should read

$$\mathcal{L}_0[\bar{A}(\bar{x})] \equiv \frac{1}{4} g^{ik} g^{jl} F_{ji} F_{kl} \qquad (0.1)$$

and $g^\alpha[A]$ in (3.4) should read

$$g^\alpha[A] = \partial_i A_j^\alpha g^{ji} : \text{ linear gauges} \qquad (0.2)$$
$$= \partial_i A_j^\alpha g^{ji} + d^{\alpha\beta\gamma} A_i^\beta A_j^\gamma g^{ji} : \text{ quadratic gauges}$$

We then should replace $\xi \to -\xi$ in the second of (5.3) and the first of (5.4).

This produces a sign change in the expression for β of (5.12).

(2). In the right-hand side of (2.5) $-t^{\alpha 5}_{,\theta}$ should be removed.

(3). In third of (5.3) should be $\phi_3 = \frac{\eta}{\sqrt{2}} = \frac{c_{4,\theta} + c_{5,\lambda}}{\sqrt{2}}$.

(4). In right-hand side of (5.7) k should be replaced by κ.

(5). In the last term of (5.9) $\kappa\gamma x$ should be $\kappa\gamma\tau$.

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